

Discrete Mathematics
Volume 172, Numbers 1–3, 10 August 1997

Contents

Preface

C.C. Chen, G.L. Chia, K.M. Koh, N.Z. Li and K.L. Teo

1

Contributions

C.-Y. Chao

A critically chromatic graph

3

C.-Y. Chao, Z.-Y. Guo and N.-Z. Li

On q -graphs

9

X.E. Chen and K.Z. Ouyang

Chromatic classes of certain 2-connected $(n, n+2)$ -graphs homeomorphic to K_4

17

X.E. Chen and K.Z. Ouyang

Chromatic classes of certain 2-connected $(n, n+2)$ -graphs II

31

G.L. Chia

Some problems on chromatic polynomials

39

Z.-Y. Guo

On T-chromatic uniqueness of graphs

45

Z.-Y. Guo and E.G. Whitehead Jr.

Chromaticity of a family of K_4 homeomorphs

53

K.M. Koh and K.L. Teo

The search for chromatically unique graphs — II

59

N.-Z. Li, X.-W. Bao and R.-Y. Liu

Chromatic uniqueness of the complements of certain forests

79

R.-Y. Liu

Adjoint polynomials and chromatically unique graphs

85

Z. Lu

The exact value of the harmonious chromatic number of a complete binary tree

93

Y.-H. Peng, C.H.C. Little, K.L. Teo and H. Wang

Chromatic equivalence classes of certain generalized polygon trees

103

J. Rodriguez and A. Satyanarayana

Chromatic polynomials with least coefficients

115

A. Sakaloglu and A. Satyanarayana

Planar graphs with least chromatic coefficients

121

I. Tomescu

Maximum chromatic polynomial of 3-chromatic blocks

131

D.R. Woodall

The largest real zero of the chromatic polynomial

141

<i>C. Ye and X. Bao</i> New families of adjointly unique graphs	155
<i>H. Zhang</i> The Clar covering polynomial of hexagonal systems with an application to chromatic polynomials	163
Appendices	
<i>G.L. Chia</i> A bibliography on chromatic polynomials	175
<i>N.-Z. Li</i> The list of chromatically unique graphs of order seven and eight	193
Author index to volume 172	223

